

Zoological collectings by the Hungarian Natural History Museum in Korea. 108. A report on the collecting of the fifteenth expedition

by
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Abstract: A brief report is presented on the 15th Zoological Expedition of the Hungarian Natural History Museum to Korea. The main goal was an avifaunistical investigation, but invertebrate-collectings were also carried out. The list of localities and list of the observed 103 bird species is also given.

Key words: Korea, Zoological Expedition, bird observation, collectings of invertebrates.

The 15th expedition of the Hungarian Natural History Museum to Korea was different from the previous ones. The main objective of the earlier trips from the Zoological Department of the Museum was to collect animals, mainly arthropods (e. g. Merkl & Szél 1989), and vertebrates (Csorba & Demeter 1989). The main goal of our expedition was an avifaunistical investigation in different regions of Korea. Nevertheless, we collected Coleoptera and Lepidoptera specimens as well, and took soil and water samples.

We spent 30 days in Korea, from 29th July, to 27th August, 1991. We spent 24 days in the field, including half-day long trips in the surroundings of Pyongyang. We visited Kungang-san (SE), Myohyang-san (central part), Nampo (W), Chongjin (NE) and Kaesong (SW), besides different places near Pyongyang (Ryongaksan, Taesong-san, Taeson lake). Our original plan included a visit to Paekdu-san (N), but owing to a political demonstration in the area the trip was cancelled.

We arrived to North Korea in the monsoon period in August, when the weather is hot (30–35 °C), it rains frequently, and the relative humidity is very high. The recorded total bird density and number of bird species was unexpectedly low due to the bad weather conditions. We observed altogether 103 bird species, most of them are breeding species in Korea. Migrants from Siberia (e. g. *Muscicapa* spp., *Emberiza* spp.) were seen only during the last few days.

Some of the collected insects may be new for Korea, as only a few expeditions visited the country during the monsoon period.

Although our expedition was totally different from the previous ones, we continue the reports on the expeditions by the Hungarian Natural History Museum in Korea, and the numbering of the collectings.

Acknowledgements

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List of localities

The numbering of our collecting begins with No. 1588, since the fourteenth expedition closed with No. 1587 (Zombori & Mészáros 1992).

- No. 1588. Kangwon Province, Kumgang-san, 01-04. Aug. 1991. - Night collecting from white wall illuminated by black light at the Hotel Kumgang. - Coleoptera, Lepidoptera.
 No. 1589. Chagang Province, Hyangsan village, 08-12. Aug. 1991. - Night collecting from white wall illuminated by black light at the Chongchon Hotel. - Coleoptera, Lepidoptera.
 No. 1590. Pyongyang City, 15. Aug. 1991. - Water sample from small artificial lakes connected with the River Potong.
 No. 1591. Pyongyang City, 16. Aug. 1991. - Singling from the ground. - Coleoptera.
 No. 1592. North Hamgyong Province, Chongjin, 18-20. Aug. 1991. - Singling from the ground. - Coleoptera.
 No. 1593. North Hamgyong Province, Chongjin, 20. Aug. 1991. - Soil sample from a pine forest.
 No. 1594. Pyongyang City, Taesong-san, 22. Aug. 1991. - Singling from the ground. - Heteroptera, Coleoptera.
 No. 1595. Kaesong City, 24. Aug. 1991. - Water sample from rice fields.
 No. 1596. Kaesong City, 25. Aug. 1991. - Soil sample from the garden of Hotel Chanamsan.

List of observed bird species in taxonomical order
and the area of observation

(C = Chongjin; K = Kaesong; KS = Kumgang san and the neighbouring seashore; MS = Myohyang san; N = Nampo; P = Pyongyang and its surroundings; O = others (e.g. from train))

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| 1. <i>Podiceps ruficollis</i> - P; | 33. <i>Limosa limosa</i> - N; |
| 2. <i>Phalacrocorax filamentosus</i> - C, Ks, N; | 34. <i>L. lapponica</i> - N; |
| 3. <i>Ardea cinerea</i> - C, Ks, N, P; | 35. <i>Larus argentatus</i> - N, P; |
| 4. <i>Egretta alba</i> - Ks, N, P; | 36. <i>L. canus</i> - N, K; |
| 5. <i>E. garzetta</i> - K, N; | 37. <i>L. crassirostris</i> - C, Ks, N; |
| 6. <i>E. eulophotes</i> - N; | 38. <i>L. ridibundus</i> - N; |
| 7. <i>E. intermedia</i> - K, N; | 39. <i>Cephus carbo</i> - C; |
| 8. <i>Butorides striatus</i> - C, Ks, Ms, P; | 40. <i>Columba rupestris</i> - K, Ms; |
| 9. <i>Anas platyrhynchos/poecilorhyncha</i> - O; | 41. <i>Streptopelia orientalis</i> - C, K, Ks, Ms, P; |
| 10. <i>Accipiter nisus</i> - C, Ms; | 42. <i>Cuculus canorus</i> - Ks; |
| 11. <i>A. soloensis</i> - P; | 43. <i>Alcedo atthis</i> - C, K, Ks, Ms, N, P; |
| 12. <i>A. virgatus</i> - C, Ms; | 44. <i>Halcyon pileata</i> - Ks; |
| 13. <i>Circus melanoleucos</i> - O; | 45. <i>Eurystomus orientalis</i> - Ks, Ms, P; |
| 14. <i>Falco subbuteo</i> - C, K, Ks, Ms, P; | 46. <i>Upupa epops</i> - C, Ks, P; |
| 15. <i>F. tinnunculus</i> - Ks, Ms, P; | 47. <i>Picus canus</i> - P; |
| 16. <i>Phasianus colchicus</i> - P; | 48. <i>Dryocopus martius</i> - Ms; |
| 17. <i>Charadrius alexandrinus</i> - N; | 49. <i>Dendrocopos major</i> - K, P; |
| 18. <i>C. mongolus</i> - N; | 50. <i>D. leucotos</i> - Ks, Ms, P; |
| 19. <i>Pluvialis fulva</i> - N; | 51. <i>D. kizuki</i> - C, K, Ks, Ms, P; |
| 20. <i>P. squatarola</i> - N; | 52. <i>Apus pacificus</i> - Ks; |
| 21. <i>Tringa nebularia</i> - N; | 53. <i>Hirundo rustica</i> - C, K, Ks, Ms, N, P; |
| 22. <i>T. ochropus</i> - C; | 54. <i>H. daurica</i> - C, Ks, Ms; |
| 23. <i>T. glareola</i> - C, N; | 55. <i>Motacilla alba</i> - C, K, Ks, Ms, N, P; |
| 24. <i>T. totanus</i> - N; | 56. <i>M. cinerea</i> - C, K, Ks, Ms, N; |
| 25. <i>T. hypoleucos</i> - C, Ms, N; | 57. <i>M. flava</i> - N; |
| 26. <i>T. terek</i> - Ks, N; | 58. <i>Lanius cristatus</i> - K, P; |
| 27. <i>T. brevipes</i> - Ks; | 59. <i>L. bucephalus</i> - K, O; |
| 28. <i>Calidris acuminata</i> - N; | 60. <i>L. tigrinus</i> - C, K, Ms; |
| 29. <i>C. ruficollis</i> - Ks, N; | 61. <i>Cinclus pallasii</i> - Ks, Ms; |
| 30. <i>Numenius arquata</i> - N; | 62. <i>Hypsipetes amaurotis</i> - P; |
| 31. <i>N. madagascariensis</i> - N; | 63. <i>Locustella fasciolata</i> - P; |
| 32. <i>N. phaeopus</i> - N; | 64. <i>Cettia diphone</i> - C; |

65. *C. squameiceps* – Ks;
 66. *Acrocephalus arundinaceus* – P;
 67. *Phylloscopus occipitalis* – C, Ms, P;
 68. *P. proregulus* – C;
 69. *P. borealis* – C, P;
 70. *Ficedula xanthopyga* – C, K, Ks;
 71. *Cyanoptila cyanomelaena* – Ks, Ms;
 72. *Muscicapa latirostris* – C, P;
 73. *M. griseisticta* – C;
 74. *Phoenicurus aureoreus* – C, K, Ks, Ms, P;
 75. *Saxicola torquata* – Ks, Ms, P, K;
 76. *Monticola solitarius* – N;
 77. *Turdus dauma* – Ms;
 78. *Suthora webbiana* – C, Ks, Ms;
 79. *Aegithalos caudatus* – C, K, Ks, Ms;
 80. *Parus ater* – C, K, Ks, Ms, P;
 81. *P. palustris* – C, K, Ks, Ms, P;
 82. *P. major* – C, K, Ks, Ms, N, P;
 83. *P. varius* – K, Ks, Ms;
 84. *Sitta europaea* – C, Ks, Ms, P;
 85. *S. villosa* – C, P;
 86. *Certhia familiaris* – Ms;
 87. *Emberiza leucocephala* – K, Ms;
 88. *E. elegans* – C, K, Ks, Ms, P;
 89. *E. cioides* – C, K, Ks, Ms, P;
 90. *E. fucata* – Ks;
 91. *E. spodocephala* – K;
 92. *E. rutila* – Ms, P;
 93. *Chloris sinica* – C, K, Ks, Ms, N, P;
 94. *Eophona migratoria* – K, N, P;
 95. *Loxia curvirostra* – Ks;
 96. *Passer montanus* – C, K, Ks, Ms, P;
 97. *Oriolus chinensis* – K, Ks, Ms, N, P;
 98. *Garrulus glandarius* – C, K;
 99. *Nucifraga caryocatactes* – Ms;
 100. *Pica pica* – C, K, Ks, Ms, N, P;
 101. *Cyanopica cyana* – Ms;
 102. *Corvus corone* – C, Ks, Ms, N, P;
 103. *C. macrorhynchos* – C, K, Ks, Ms, P;

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